

Art Unit: 2871

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Claims 1-49 cancelled

--50. A process for forming a pattern on a substrate by deposition of an organic material comprising the steps of:

depositing a semiconducting organic material in a solvent onto a substrate by ink-jet printing; and

evaporating the solvent, whereby said organic material remains on the substrate.--

--51. The process of claim 50, further comprising drying the deposited material to remove said solvent.--

--52. The process of claim 50 wherein said organic material is a luminescent polymer.--

Claims 53-54 cancelled

--55. The process of claim 50 wherein said material includes light emitting dyes.--

Claims 56-59 cancelled

60. (Amended) The process of claim 50 wherein said organic material is polymer based.

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--61. A process for making organic light emitting diodes comprising: depositing a semiconducting organic material in a solvent onto a substrate by ink-jet printing; and

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evaporating the solvent, said organic material remaining on the substrate.--

--62. The process of claim 61 wherein said depositing step operates an ink-jet printer in a mode to create a continuous sheet of polymer.--

--63. The process of claim 62 further including the step of metallizing said ink-jet printed substrates.--

64. (Amended) The process of claim 63 further including the step of depositing a top metal contact on said substrate.
Claims 65-66 cancelled

67. (Amended) The process of claim 64 wherein said top metal contact is deposited in a pattern.
Claim 68 cancelled

--69. The process of claim 61 further wherein said organic material includes light emitting dyes.--

70. (Amended) The process of claim 69 further including the step of depositing a top contact on said organic material.
Claims 71-100 cancelled

--101. The process of claim 62 further including the step of metallizing said ink-jet printed organic material.--